All Agency Project Request

2013 - 2015 Biennium

Agency	Institution	Building No.	Building Name
University of Wisconsin	Parkside	285-0G-3024	CART - Communication Arts

Project No. 15A1R **Project Title** RTP Regional Ctr Theater Lighting/Rigging Repl

Project Intent

This project provides investigation and research, pre-design, and design services to replaces the obsolete theatre lighting and stage rigging system in the Rita Tallent Picken Regional Center for Arts and Humanities Theater (RTP Regional Center) to provide reliable and modern equipment. The lighting, rigging, and support systems will be evaluated to identify deficiencies, develop design solution alternatives, and recommend appropriate corrective measures.

Project Description

Project work includes replacing the theater lighting system, including dimmer racks, light fixtures (general stage, apron, select house and special effects cyclorama lighting) and power connector strips. A modern system, including new computer controlled dimming equipment, new control console, energy efficient light fixtures and new power connector strips will be installed. A new dimmer rack with approximately 400 dual 20 amp dimmer modules will be provided and associated output circuitry will be installed to all lighting fixture locations. Remote control stations will be provided to allow operation of selected lighting system control functions from various locations in the theater. It is anticipated that the support structure for the new lighting fixtures can be reused, but this will need to be verified by the design consultant. New stage rigging will be installed and the wall pockets may need to be replaced depending on the new fixture housing sizes and attachment hardware. The asbestos-containing fire curtain will be replaced with a non-asbestos curtain incorporating a safety braking mechanism.

Project Justification

The RTP Regional Center (formerly known as Communication Arts) Theater was constructed in 1969. The original theater lighting dimming system was replaced in 1989 (8905-24) with a Techtronic's lighting dimmer system. The Techtronic's Lighting Controls Company has been sold three times in the last 24 years and replacement parts are no longer available to service the equipment. With component failures becoming more frequent, the reliability of this equipment is now questionable. As the dimmers get older, they do not operate effectively or efficiently. New lighting technologies are more energy efficient to operate and new light sources have a longer lamp life. New microprocessor based control consoles and digital dimming equipment are needed to provide up-to-date training labs and production facilities for the theater productions. Replacement of this equipment will allow student instruction in a broader variety of lighting effects and options in a safe environment. The current system is beyond its expected life and should be replaced.

The rigging equipment consisting of 28 counter weighted fly lines, one fire curtain, six manual lines and one independent grand drape fly line are original with some campus minor upgrades through the years. The fly lines are post-operational dated specification. This equipment is difficult to operate, does not comply with current code, and is not up to today's standards for theater productions. There are cable wear concerns due to the unacceptable angle that the cables enter the loft blocks. The arbors all have been fitted with wooden spacers due to a mistake that occurred during the original construction. The fire curtain contains asbestos and lacks modern deployment and safety features.

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A/E Consultant Requirements

☑ A/E Selection Required?

Consultants should have specific expertise and experience in the design and coordination of theatrical lighting and/or production studio lighting systems and rigging systems as part of a design team. Work includes site surveys, acquiring field data, and verifying as-built conditions to assure accurate development of design and bidding documents and production of necessary design and bidding documents. Consultants should indicate specific projects from past experience (including size, cost, and completion date) in their letter of interest and when known, include proposed consulting partners and specialty consultants.

The consultant will verify project scope, schedule, and budget estimates, and recommend modifications as required to complete the specified project intent. The consultant will prepare a pre-design document to establish an appropriate project scope, budget, and schedule prior to the university seeking authority to construct from the Board of Regents and State Building Commission.

Commissioning

☑ Level 1

☐ Level 2

Project Budget

Construction Cost:		$892,000
Haz Mats:		$5,300
Construction Total:		$897,300
Contingency:	15%	$134,600
A/E Design Fees:	8%	$71,800
DFD Mgmt Fees:	4%	$41,300
Other:		$0
		$1,145,000

Funding Source(s)

	Total
GFSB - Facilities Maintenance & Renovation [Z060]	$1,145,000
PRSB - []	$0
Agency/Institution Cash []	$0
Gifts	$0
Grants	$0
Building Trust Funds [BTF]	$0
Other Funding Source	$0
	$1,145,000

Project Schedule

SBC Approval:	02/2015
A/E Selection:	02/2015
Bid Opening:	03/2016
Construction Start:	05/2016
Substantial Completion:	09/2016
Project Close Out:	12/2016

Project Contact

Contact Name: Donald A. Kolbe

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Telephone: (262) 595-2232 x

Project Scope Consideration Checklist

	Y	N
1. Will the building or area impacted by the project be occupied during construction? If yes, explain how the occupants will be accommodated during construction.	☑	☐
All project work will be coordinated through campus physical plant staff to minimize disruptions to daily operations and activities.		
2. Is the project an extension of another authorized project? If so, provide the project #...	☐	☑
3. Are hazardous materials involved? If yes, what materials are involved and how will they be handled?	☑	☐
Required hazardous materials abatement has been included in the estimated project schedule and project budget. Comprehensive building survey inventory data is not available on Wisconsin's Asbestos & Lead Management System (WALMS) <http://walms.doa.state.wi.us/>.		

4. Will the project impact the utility systems in the building and cause disruptions? If yes, to what extent? ☑ ☐

   All project work will be coordinated through campus physical plant staff to minimize disruptions to daily operations and activities.

5. Will the project impact the heating plant, primary electrical system, or utility capacities supplying the building? If yes, to what extent? ☐ ☑

6. Are other projects or work occurring within this project's work area? If yes, provide the project # and/or description of the other work in the project scope. ☐ ☑

7. Have you identified the WEPA designation of the project...Type I, Type II, or Type III? ☑ ☐

   Type III.

8. Is the facility listed on a historic register (federal or state), or is the facility listed by the Wisconsin Historical Society as a building of potential historic significance? If yes, describe here. ☑ ☐

   The entire campus is listed as a building district of potential historic significance.

9. Are there any other issues affecting the cost or status of this project? ☐ ☑

10. Will the construction work be limited to a particular season or window of opportunity? If yes, explain the limitations and provide proposed solution. ☑ ☐

    Project work is seasonal. Preferred project work schedule should be limited to late spring, summer, and/or early fall months if possible.

11. Will the project improve, decrease, or increase the function and costs of facilities operational and maintenance budget and the work load? If yes, to what extent? ☑ ☐

    Completion of this project will decrease operational maintenance costs.

12. Are there known code or health and safety concerns? If yes, identify and indicate if the correction or compliance measure was included in the budget estimate, or indicate plans for correcting the issue(s). ☑ ☐

    Both the rigging and the dimming systems are potential concerns due to their age and obsolescence.

13. Are there potential energy or water usages reduction grants, rebates, or incentives for which the project may qualify (i.e. Focus on Energy <http://www.focusonenergy.com> or the local utility provider)? If yes, describe here. ☐ ☑

14. If this is an energy project, indicate and describe the simple payback on state funding sources in years and the expected energy reduction here. ☐ ☑